

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

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***Device Specifications:***

Device Type: Video Projector  
Manufacturer: Vivitek  
Firmware Version: N/A  
Model(s): D7180, D7180HD

***Version History:***

| Driver<br>Version | Date      | IP Link<br>Compiler | GC<br>Version | Notes            |
|-------------------|-----------|---------------------|---------------|------------------|
| 1                 | 1/27/2014 | 1.6.0               | 3.5.1         | Initial version. |

***Driver Notes:***

Driver has been optimized for Volume.

# IP Link® Device Interface Communication Sheet

## Control Commands & States:

|                        |              |               |        |
|------------------------|--------------|---------------|--------|
| <b>Aspect Ratio</b>    | Auto         | 16:9          | 4:3    |
|                        | Letterbox    | Real          |        |
| <b>Audio Mute</b>      | Toggle       |               |        |
| <b>Auto Image</b>      | Execute      |               |        |
| <b>Freeze</b>          | Toggle       |               |        |
| <b>Input</b>           | PC           | HDMI 1/DVI    | Toggle |
| <b>Menu Navigation</b> | Menu         | Up            | Down   |
|                        | Left         | Right         | Enter  |
|                        | Exit         |               |        |
| <b>Power Control</b>   | On           | Off           | Toggle |
| <b>Projection Mode</b> | Front        | Ceiling Front | Rear   |
|                        | Ceiling Rear |               |        |
| <b>Video Mute</b>      | Toggle       |               |        |
| <b>Volume (Step)</b>   | Up           | Down          |        |

## Status Available:

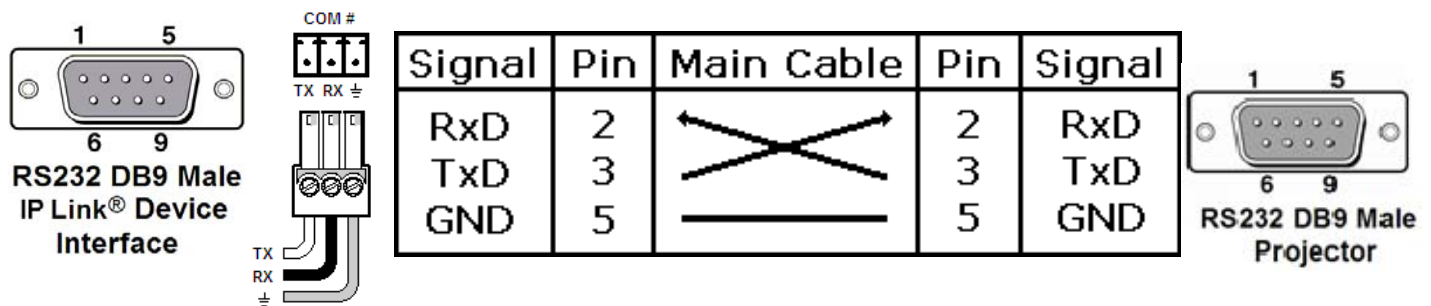
|                          |              |               |                    |
|--------------------------|--------------|---------------|--------------------|
| <b>Aspect Ratio</b>      | Auto         | 16:9          | 4:3                |
|                          | Letterbox    | Real          |                    |
| <b>Connection Status</b> | Connected    | Disconnected  |                    |
| <b>Input</b>             | PC           | HDMI 1/DVI    |                    |
| <b>Lamp Usage</b>        | Hours        |               |                    |
| <b>Power Control</b>     | On           | Off           |                    |
| <b>Power Status</b>      | On           | Off           | Status Unavailable |
| <b>Projection Mode</b>   | Front        | Ceiling Front | Rear               |
|                          | Ceiling Rear |               |                    |

**IP Link® Device Interface  
Communication Sheet*****MLC60 Series Supported Commands:***

|                        |              |               |        |
|------------------------|--------------|---------------|--------|
| <b>Aspect Ratio</b>    | Auto         | 16:9          | 4:3    |
|                        | Letterbox    | Real          |        |
| <b>Audio Mute</b>      | Toggle       |               |        |
| <b>Auto Image</b>      | Execute      |               |        |
| <b>Freeze</b>          | Toggle       |               |        |
| <b>Input</b>           | PC           | HDMI 1/DVI    | Toggle |
| <b>Menu Navigation</b> | Menu         | Up            | Down   |
|                        | Left         | Right         | Enter  |
|                        | Exit         |               |        |
| <b>Power Control</b>   | On           | Off           | Toggle |
| <b>Projection Mode</b> | Front        | Ceiling Front | Rear   |
|                        | Ceiling Rear |               |        |
| <b>Video Mute</b>      | Toggle       |               |        |
| <b>Volume (Step)</b>   | Up           | Down          |        |

**Cable and Adapter Requirements:**

F/F DB9 RS232 Null Modem Serial Cable

**Notes for the Device:****Serial communication:****Port Type:** RS-232**Baud Rate:** 9600**Data Bits:** 8**Parity:** None**Stop Bits:** 1**Flow Control:** None**Pin Assignments Diagram:**

Note: Captive screw connector may also be used as a serial connection.

**General Notes:**